

**MATERIAL SAFETY DATA SHEET**

**I. GENERAL INFORMATION**

ENFORCER PRODUCTS, INC. P. O. BOX 1060 CARTERSVILLE, GA. 30120	MANUFACTURER'S PHONE NUMBER: (770) 386-0801 24 HOUR EMERGENCY NUMBER: 1-800-255-3924	HAZARD RATINGS:  HEALTH __ REACTIVITY __ FLAMMABILITY __ PERSONAL PROTECTION __
PRODUCT NAME: <b>ENFORCER RAT KILL II</b>		EPA REG. NO.: 10182-337-40849
PREPARED BY: TRESSIE DEMPSEY		DATE: OCTOBER 10, 1996

**II. INGREDIENTS**

<u>PRINCIPAL COMPONENTS</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>HAZARD</u>
BRODIFACOU	56073-10-0	.005	NOT ESTAB.	NOT ESTAB.	N/A	N/A
CEREAL FORMULATION	NONE ASSIGNED	N/A	NOT ESTAB.	NOT ESTAB.	N/A	N/A
INGREDIENTS NOT PRECISELY IDENTIFIED ARE PROPRIETARY OR NONHAZARDOUS. VALUES ARE NOT PRODUCT SPECIFICATIONS.						
NOTE: HARMFUL (THE ACTIVE INGREDIENT IS DESIGNED TO CAUSE BLEEDING AFTER REPEATED INGESTION).						

**III. PHYSICAL DATA**

BOILING POINT: 228 - 230° C (BRODIFACOU)	SPECIFIC GRAVITY: 38 - 42 LBS./ CU. FT.	VAPOR PRESSURE (mm Hg.): NEGLIGIBLE
PERCENT VOLATILE BY VOLUME: NEGLIGIBLE	VAPOR DENSITY: N/A	EVAPORATION RATE (Butyl Acetate = 1): N/A
SOLUBILITY IN WATER: INSOLUBLE	APPEARANCE & ODOR: GREEN PELLETS WITH FAINT GRAIN-LIKE ODOR.	

**IV. FIRE & EXPLOSION DATA**

FLASHPOINT (Method used): N/A			AUTOIGNITION TEMPERATURE: N/A			FLAMMABLE LIMITS: N/A		
LEL: N/A		UEL: N/A	EXTINGUISHING MEDIA: WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL AND HALOGENATED AGENTS.					
SPECIAL FIRE FIGHTING PROCEDURES:			SELF-CONTAINED BREATHING APPARATUS AND FULL FACEPIECE AND PROTECTIVE CLOTHING.					
UNUSUAL FIRE & EXPLOSION HAZARDS:			NONE KNOWN					

**V. REACTIVITY HAZARD DATA**

STABILITY: <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID: NONE KNOWN		
INCOMPATABILITY (Materials to avoid):	NONE KNOWN		
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> WILL OCCUR	<input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID: NONE KNOWN
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE AND CARBON MONOXIDE			

VI. HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY:	INHALATION <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input checked="" type="checkbox"/> NOT HAZARDOUS <input type="checkbox"/>
<b>ACUTE EFFECTS OF OVEREXPOSURE:</b>	
INGESTION:	THE ACUTE ORAL LD50 IN RATS IS PROBABLY ABOVE 500 MG/KG. A SINGLE DOSE OF THIS PRODUCT IS CLASSIFIED AS "PRACTICALLY NONTOXIC" BY HUMAN INGESTION.
SKIN CONTACT:	NO IRRITATION IS LIKELY TO DEVELOP FOLLOWING CONTACT WITH HUMAN SKIN.
INHALATION:	NO TOXIC EFFECTS ARE KNOWN TO BE ASSOCIATED WITH THE INHALATION OF DUST FROM THIS MATERIAL.
EYE CONTACT:	NO IRRITATION IS LIKELY TO DEVELOP FOLLOWING CONTACT WITH HUMAN EYES.
CHRONIC EFFECTS OF OVEREXPOSURE:	EFFECTS ARE THOSE OF ANTICOAGULANT OVERDOSAGE: I.E., REDUCED BLOOD CLOTTING ABILITY WITH SPONTANEOUS BLEEDING IN VARIOUS BODY ORGANS. BODY ACCUMULATION IS LIKELY TO RESULT FROM REPEATED EXPOSURES TO BRODIFACOUM SINCE ITS HALF-LIFE IS ESTIMATED TO BE 120 DAYS.
CARCINOGENICITY:	NTP? N/A IARC? N/A OSHA REGULATED ? N/A
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	INDIVIDUALS WITH BLOOD DISORDERS MAY BE MORE SUSCEPTIBLE TO OVEREXPOSURE EFFECTS.
<b>EMERGENCY FIRST AID PROCEDURES:</b>	
INGESTION:	GIVE 1 OR 2 GLASSES OF WATER TO DRINK AND INDUCE VOMITING BY STICKING FINGER DOWN THROAT. REPEAT UNTIL VOMITUS IS CLEAR. REFER PERSON TO MEDICAL PERSONNEL. (NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.)  <b>NOTE TO PHYSICIAN:</b> THIS PRODUCT MAY REDUCE THE CLOTTING ABILITY OF BLOOD AND CAUSE HEMORRHAGING. IF POISONING OCCURS, INTRAMUSCULAR AND ORAL ADMINISTRATION OF VITAMIN K1 ARE INDICATED, AS IN POISONING FROM OVERDOSE OF BISHYDROXYCOUMARIN. FOR HUMAN CASES, VITAMIN K1 IS ANTIDOTAL AT 2-5 MG/KG. REPEATED DOSES MAY NEED TO BE GIVEN UP TO TWO WEEKS (BASED ON MONITORING OF PROTHROMBIN TIMES). IN SEVERE CASES, BLOOD TRANSFUSIONS MAY BE NECESSARY.
SKIN CONTACT:	WASH SKIN WITH SOAP AND WATER. IF REDNESS, ITCHING OR BURNING RESULTS, GET MEDICAL ATTENTION.
INHALATION:	REMOVE VICTIM TO FRESH AIR. IF COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT A PHYSICIAN.
EYE CONTACT:	IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF REDNESS, ITCHING OR A BURNING SENSATION DEVELOPS, HAVE EYES EXAMINED AND TREATED BY MEDICAL PERSONNEL.

VII. CONTROL AND PROTECTIVE MEASURES	
EYE PROTECTION:	SAFETY GLASSES WITH SIDE SHIELDS.
RESPIRATORY PROTECTION (specify):	IF NEEDED, USE MSHA-NIOSH APPROVED RESPIRATOR FOR PESTICIDES.
SKIN PROTECTION:	IMPERVIOUS GLOVES. PVC HAS BEEN SHOWN TO BE IMPERVIOUS TO BRODIFACOUM. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REWEARING.
VENTILATION:	AS NEEDED TO CONTROL EXPOSURE.
OTHER PROTECTION:	EYEWASH STATION IN WORK AREA.

**VIII. SPECIAL PRECAUTIONS**

HANDLING AND STORING PROCEDURES:	STORE IN COOL, DRY AREA AWAY FROM PRODUCTS WITH STRONG ODORS. KEEP IN AN AREA SUITABLE FOR PESTICIDE STORAGE. DO NOT STORE NEAR FEED, FOOD OR WITHIN THE REACH OF CHILDREN OR PETS. PREVENT ACCUMULATION OF DUST. PREVENT SKIN CONTACT. PROMOTE GOOD PERSONAL HYGIENE.
RELEASE OR SPILL PROCEDURES:	SWEEP UP AND RECOVER OR MIX MATERIAL WITH MOIST ABSORBENT AND SHOVEL INTO WASTE CONTAINER.
WASTE DISPOSAL METHOD:	THIS MATERIAL IS TOXIC TO FISH AND WILDLIFE. DO NOT CONTAMINATE WATERWAYS BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTE. UNTREATED EFFLUENT SHOULD NOT BE DISCHARGED WHERE IT WILL DRAIN INTO LAKES, STREAMS OR PONDS. DISCARDED PRODUCT IS NOT HAZARDOUS UNDER RCRA, 40 CFR 261.
OTHER PRECAUTIONS:	KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN AND PETS.

**IX. ADDITIONAL INFORMATION**

PROPER DOT SHIPPING NAME:	CONSUMER COMMODITY, ORM-D (CONTAINS BRODIFACOU)
BIODEGRADABILITY:	NOT BIODEGRADABLE
THIS INFORMATION COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.	

\*\*\*\*\* END OF REPORT \*\*\*\*\*